

WHAT IS CLAIMED IS:

1. A luggage article comprising:
a storage compartment;
a first rolling means projecting from said
storage compartment;

5 a wheeled panel mechanism including a
pivotably mounted panel, said panel having second rolling
means;

10 a handle operatively associated with said
wheeled panel mechanism, said handle being movable between
a retracted position and an extended position; and

15 means for selective deployment or
nondeployment of said second rolling means when said
handle is moved from said retracted position to said
extended position.

2. The luggage article of Claim 1, wherein
said wheeled panel mechanism includes a
body portion and linkage means connecting said body
portion to said pivotably mounted panel.

3. The luggage article of Claim 2, wherein
20 said means for selective deployment or
nondeployment of said second rolling means includes:
detent means operatively associated
with said handle;

25 a slider mechanism movable in said
body portion, said slider mechanism causing movement of
said pivotably mounted panel between a deployed position
where said second roller means are deployed and a
nondeployed position where said second roller means are
not deployed; and

30 a lockdown device for locking said
slider mechanism so that said pivotably mounted panel
remains in said nondeployed position when said handle is

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5 moved from said retracted position to said extended position, said detent means being operatively associated with said lockdown device in order to unlock said slider mechanism therefrom so that said slider mechanism can move and cause movement of said pivotably mounted panel from said nondeployed position to said deployed position.

10 4. The luggage article of Claim 3, wherein
female tubes said handle includes a pair of spaced apart
compartiment; and

15 a pair of male tubes, each of which is
slidably engaged in respective female tubes, said
male tubes being joined by a gripping portion at one end
thereof and having free ends opposite said gripping
portion.

20 5. The luggage article of Claim 4, wherein
said detent means includes:

25 a detent mechanism disposed in said
free end of each of said male tubes, said detent mechanism
including a detent housing and a movable detent disposed
in said detent housing;

a button mounted in said gripping
portion; and

30 first and second cables connecting
said button to said respective movable detents such that
movement of said button causes corresponding movement of
both of said movable detents.

35 6. The luggage article of Claim 5, wherein
said female tubes each include a
longitudinal slot, said slider mechanism having opposed
portions which engage into each said respective
longitudinal slot, said detent housing engaging respective
said opposed portions of said slider mechanism, whereby

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~~movement of said male tubes in said female tubes can cause corresponding movement of said slider mechanism in said body portion.~~

7. The luggage article of Claim 6, wherein each of said female tubes includes a separate lockdown device mounted therein, each said lockdown device including a projection, said projection having a slider mechanism engagement portion and a detent engagement portion, said opposed portions of said slider mechanism engaging against said respective slider mechanism engagement portions when said slider mechanism is locked;

said movable detent engaging against said
detent engagement portion and moving said projection in
order to unlock said slider mechanism from said lockdown
device when said pushbutton is engaged in order to move
said detent.

8. The luggage article of Claim 7, wherein each said lockdown device includes a spring that biases said respective opposed portions of said slider mechanism against said respective slider mechanism engagement portions; and

said linkage means includes at least one spring that biases said pivotably mounted panel into said deployed position, whereby unlocking said slider mechanism will automatically move said pivotably mounted panel into said deployed position.

9. The luggage article of Claim 8, including a belt having a first end attached to said body portion and a second end attached to said linkage means, said belt being operatively associated with said slider mechanism so that movement of said slider mechanism causes movement of said linkage means.

10. The luggage article of Claim 9, including
said slider mechanism includes a
first roller;
a second roller mounted to said body
portion;
a third roller spaced apart from said
second roller and also mounted to said body portion; and
said belt engaging against said first,
second and third rollers in order to translate movement
of said slider mechanism to movement of said pivotably
mounted panel in order to move said pivotably mounted
panel between said deployed position and said nondeployed
position.

11. The luggage article of Claim 10, wherein
said linkage means includes a first link
and a second link, said first link is pivotably mounted
to said panel and said second link and said second link
is pivotably mounted to said first link and said body
portion, whereby when said pivotably mounted panel is in
said nondeployed position, said first and second links
fold on top of each other and are disposed in a cavity
formed by said body portion with said panel being overlaid
thereon.

12. The luggage article of Claim 5, wherein
each of said female tubes includes an
opening, said movable detent being constructed to
automatically engage into said opening when said handle
is moved from said retracted position to said extended
position thus locking said handle into said extended
position; and
said movable detent disengages from said
opening thus unlocking said handle in order to move said
handle away from said extended position, said movable
detent being disengaged when said button is moved.

13. The luggage article of Claim 5, wherein
said button includes:

a housing;

5 mounted in said housing, said first cable being attached
to said first tab and said second cable being attached to
said second cable; and

10 a pushbutton operatively associated
with said first tab and said second tab, whereby movement
of said pushbutton causes responsive movement of said tabs
and thus said cables in order to move said movable
detents.

15 14. The luggage article of Claim 13, wherein
said tabs each include engagement openings
formed therein, said engagement openings including a
sloped pilot surface;

20 said pushbutton includes a first projection
having a pilot surface and a second projection having a
pilot surface, said pilot surfaces of said projections
engaging against said pilot surfaces of said engagement
openings taken said pushbutton is pushed in so that said
tabs are drawn towards each other in order to move said
cables and thus said movable detents.

25 15. The luggage article of Claim 14, including
a pushbutton spring biasing said pushbutton
in a first position wherein said movable detent projects
from said male tube.

30 16. The luggage article of Claim 5, wherein
said button is a spring biased pushbutton
which engages a camming means when said pushbutton is
pushed down, said camming means rotating about a pivot
point and causing responsive movement of said cable.

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17. The luggage article of Claim 1, wherein
said second roller means is a caster.

18. The luggage article of Claim 17, wherein
said caster comprises:

5 a caster frame rotatably attached to
said wheeled panel mechanism;

10 a wheel axially rotatably mounted to
said caster frame, said wheel having an axis of rotation
generally perpendicular to an axis of rotation of said
caster frame; and

15 said caster frame being (i) freely
rotatable about its axis of rotation when said wheel bears
against a surface and (ii) oriented in a predetermined
position when said wheel is not bearing against said
surface.

19. The luggage article of Claim 18, wherein
said wheeled panel mechanism includes
guiding means, a portion of said caster frame being guided
by said guiding means when said wheel is lifted from said
20 surface so as to position said caster frame in said
predetermined position.

20. The caster of Claim 19, wherein
said caster frame includes a rod extending
from said wheel through said guiding means, said rod
25 including a pin; and

said guiding means being constructed and
arranged for guiding said pin to orient said wheel and
said wheel frame in said predetermined position.

21. The caster of Claim 20, wherein
30 said guiding means has a V-shape
cross-section for guiding said pin.

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5 22. The caster of Claim 21, wherein
means to bias said wheel and said caster frame into said
predetermined position when said wheel is not bearing
against said surface.

10 23. The caster of Claim 18, wherein
said caster frame includes (i) a swivel and
(ii) a wheel frame connecting said swivel with said wheel,
said wheel frame being pivotably mounted to said swivel
so that when said retractable portion is stored, said
wheel and said caster frame can be positioned so as to
occupy less space than a wheel and caster frame without
said pivotably mounted plate.

15 24. A wheeled panel mechanism for use in
association with an article including a handle movable
between a retracted position and an extended position,
said wheeled panel mechanism including a pivotably mounted
panel having a rolling means, said rolling means being
selectively deployed or not deployed when said handle is
20 moved from said retracted position.

25 25. The mechanism of Claim 24, wherein
said wheeled panel mechanism includes a
body portion and linkage means connecting said body
portion to said pivotably mounted panel.

30 26. The mechanism of Claim 25, wherein
said wheeled panel mechanism includes a
slider mechanism movable in said body portion, said slider
mechanism causing movement of said pivotably mounted panel
between a deployed position where said rolling means are
deployed and a nondeployed position where said rolling
means are not deployed.

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5 27. The mechanism of Claim 26, including
a belt having a first end attached to said
body portion and a second end attached to said linkage
means, said belt being operatively associated with said
slider mechanism so that movement of said slider mechanism
causes movement of said linkage means.

10 28. The mechanism of Claim 27, including
said slider mechanism includes a
first roller;
a second roller mounted to said body
portion;
a third roller spaced apart from said
second roller and also mounted to said body portion; and
15 said belt engaging against said first,
second and third rollers in order to translate movement
of said slider mechanism to movement of said pivotably
mounted panel in order to move said pivotably mounted
panel between said deployed position and said nondeployed
position.

20 29. The mechanism of Claim 28, including
said linkage means includes a first link
and a second link, said first link is pivotably mounted
to said panel and said second link and said second link
is pivotably mounted to said first link and said body
portion, whereby when said pivotably mounted panel is in
25 said nondeployed position, said first and second links
fold on top of each other and are disposed in a cavity
formed by said body portion with said panel being overlaid
thereon.

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30. A luggage article including a handle movable from a retracted position to an extended position, said handle including detent means comprising:

5 housing and a movable detent;

a button mounted in said handle; and
a cable connecting said button to said
detent such that movement of said button causes corre-
sponding movement of said movable detent which in turn
permits movement of said handle from said extended
position to said retracted position.

31. The luggage article of Claim 30, wherein
said handle includes a pair of spaced apart
female tubes secured to a frame of said luggage article;
and

a pair of male tubes, each of which is
slidingly engaged in respective female tubes, said
male tubes being joined by a gripping portion at one end
thereof and each having a free end opposite said gripping
portion.

32. The luggage article of Claim 31, wherein each of said female tubes includes an opening, said detent being constructed to automatically engage into said opening when said handle is moved from said retracted position to said extended position thus locking said handle into said extended position; and

said detent disengages from said opening thus unlocking said handle in order to move said handle away from said extended position, said detent being disengaged when said button is moved.

33. The luggage article of Claim 30, wherein
said button is a spring biased pushbutton
which engages a camming means when said pushbutton is

~~pushed down, said camming means rotating about a pivot point and causing responsive movement of said cable.~~

Sub b1 34. A caster for an item including a retractable portion, said caster comprising:

5 a caster frame attached to said retractable portion;

a wheel rotatably mounted to said caster frame; and

10 said wheel and said caster frame being (i) freely rotatable about an axis of rotation generally perpendicular to an axis of rotation of said wheel mounted in said caster frame when said wheel bears against a surface and (ii) oriented in a predetermined position when said wheel is not bearing against said surface.

15 35. The caster of Claim 34, wherein said retractable portion including guiding means, a portion of said caster frame being guided by said guiding means when said wheel is lifted from said surface so as to position said caster frame in said predetermined 20 position.

36. The caster of Claim 35, wherein said caster frame includes a rod extending from said wheel through said guiding means, said rod including a pin; and

25 said guiding means being constructed and arranged for guiding said pin to orient said wheel and said wheel frame in said predetermined position.

37. The caster of Claim 36, wherein said guiding means has a V-shape 30 cross-section for guiding said pin.

38. The caster of Claim 37, wherein
said retractable portion includes a biasing
means to bias said wheel and said caster frame into said
predetermined position when said wheel is not bearing
5 against said surface.

39. The caster of Claim 34, wherein
said caster frame includes (i) a swivel and
(ii) a wheel frame connecting said swivel with said wheel,
said wheel frame being pivotably mounted to said swivel
10 so that when said retractable portion is stored, said
wheel and said caster frame can be positioned so as to
occupy less space than a wheel and caster frame without
said pivotably mounted plate.

40. A caster for an item, said caster
15 comprising:
a caster frame rotatably attached to said
item;
a wheel axially rotatably mounted to said
caster frame, said wheel having an axis of rotation
20 generally perpendicular to an axis of rotation of said
caster frame; and
25 said caster frame being (i) freely
rotatable about its axis of rotation when said wheel bears
against a surface and (ii) oriented in a predetermined
position when said wheel is not bearing against said
surface.

41. The caster of Claim 40, wherein
said item includes guiding means, a portion
of said caster frame being guided by said guiding means
30 when said wheel is lifted from said surface so as to
position said caster frame in said predetermined position.

42. The caster of Claim 41, wherein
said caster frame includes a rod extending
from said wheel through said guiding means, said rod
including a pin; and

said guiding means being constructed and arranged for guiding said pin to orient said wheel and said caster frame in said predetermined position.

43. The caster of Claim 42, wherein
said guiding means has a V-shape
cross-section for guiding said pin.

44. The caster of Claim 43, wherein
said retractable portion includes a biasing
means to bias said wheel and said wheel frame into said
predetermined position when said wheel is not bearing
against said surface.

45. The caster of Claim 40, wherein
said caster frame includes (i) a swivel and
(ii) a wheel frame connecting said swivel with said wheel,
said wheel frame being pivotably mounted to said swivel
so that when said retractable portion is stored, said
wheel and said caster frame can be positioned so as to
occupy less space than a wheel and caster frame without
said pivotably mounted plate.

46. A pushbutton device for a mechanism including a movable detent having attached thereto a cable, said cable being attached to a camming means, said pushbutton device including a spring biased pushbutton that engages said camming means when said pushbutton is pushed down, said camming means rotating about a pivot point and causing responsive movement of said cable and said movable detent.

47. The device of Claim 46, wherein
said mechanism includes a pair of movable
detents each having attached thereto a separate cable,
each of said cables being attached to a separate camming
means.